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Town of Fremont, New Hampshire 2008 Mosquito- borne Disease Program

Recent occurrences of mosquito- borne disease in New Hampshire and Fremont has prompted a need for a comprehensive mosquito control program. The program will include the integration of various methods of reducing mosquito vector species of West Nile Virus and Eastern Equine Encephalitis.

The following is a chronological sequence of proposed activities and associated costs for 2008:

January 2008

- Prepare and submit state permit application
- Estimated cost: \$0

March 2008

- Locate and document specific larval habitats of "spring" mosquitoes
- Contact landowners for permission to complete larviciding.
- Notify public regarding reporting of potential mosquito breeding areas. Answer requests for surveying properties for mosquito breeding.
- Estimated cost: \$4,420.00 (includes 100 labor hours, transportation and materials)

April 2008

- Begin larval mosquito control applications (larviciding) and species determination. Provide species specific larviciding applications targeting disease vector species.
- Initiate public outreach programs- schools, elderly housing, and town website. Contact media and provide interviews and data.
- Estimated cost: \$6,900.00 (includes 285 labor hours, transportation and materials)

May 2008

- Larviciding of mosquito breeding areas and species determination
- Estimated cost: \$5,800.00 (includes 175 labor hours, transportation and materials)

June 2008

- Larviciding of mosquito breeding areas and species determination
- Initiate weekly mosquito trapping program for disease testing. Specimens identified to species and transported to Concord for testing (West Nile Virus and Eastern Equine Encephalitis). Weekly reporting to Health Officer with results.
- Estimated cost: \$5,800.00 (includes 220 labor hours, transportation and materials)

July 2008

- Larviciding of mosquito breeding areas and species determination
- Weekly mosquito trapping and disease testing program
- Estimated Cost: \$5,800.00 (includes 220 labor hours, transportation and materials)

August 2008

- Larviciding of mosquito breeding areas and species determination
- Weekly mosquito trapping and disease testing program
- Complete barrier (preventative) treatments to Library, Memorial field, Ellis School and Safety Complex
- Estimates cost: \$7,800.00 (includes 220 labor hours, transportation and materials)

September 2008

- Larviciding of mosquito breeding areas and species determination
- Weekly mosquito trapping and testing program
- Complete barrier (preventative) treatments to Library, Memorial Field, Ellis School and Safety Complex.
- Estimated cost: \$7,100.00 (includes 190 labor hours, transportation and materials)

October 2008

- Weekly mosquito trapping and testing until killer frost
- Document and control melanura (EEE) mosquito breeding areas
- Complete barrier (preventative) treatments to Library, Memorial Field, Ellis School and Safety Complex.
- Estimated cost: \$4,700.00 (includes 150 labor hours, transportation and materials)

Total 2008 proposed budget: \$48,320.00 (1% increase from 2007)

Michael Morrison, Entomologist